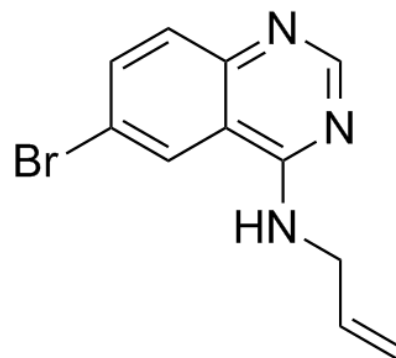


**Product Name** : SMER-28  
**Cat. No.** : PC-42080  
**CAS No.** : 307538-42-7  
**Molecular Formula** : C<sub>11</sub>H<sub>10</sub>BrN<sub>3</sub>  
**Molecular Weight** : 264.1212  
**Target** : Autophagy  
**Solubility** : DMSO: ≥ 32 mg/mL



### Biological Activity

SMER28 is a small-molecule enhancer/inducer of **Autophagy**, SMER28 is a small molecule activator of **VCP/p97**. SMER28 decreases the levels of A $\beta$  peptide (EC<sub>50</sub>=10  $\mu$ M) and APP-CTF (EC<sub>50</sub> of 20  $\mu$ M) in a  $\gamma$ -secretase-independent manner in primary neuronal cultures, Atg5, Beclin1 and Ulk1 are shown to be involved in the degradation of A $\beta$  and APP-CTF.

SMER28 enhances erythropoiesis in a range of in vitro and in vivo models of DBA, and protects against neurodegeneration in Drosophila model of Huntington's disease.

### References

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Sarkar S, et al. *Nat Chem Biol*. 2007 Jun;3(6):331-8.

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**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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